

Form PTO-1449
(Rev. 8-83)U.S. Department of Commerce
Patent and Trademark Office

Attorney Docket N. 0756-1980

Serial N. N. T. Assigned

INFORMATION DISCLOSURE STATEMENT

(Use several sheets if necessary)

Applicant: Shunpei YAMAZAKI et al.

Filing Date: June 2, 1999

Group: 2871

U.S. PATENT DOCUMENTS

Examiner Initial	Document Number	Date	Name	Class	Subclass	Filing Date (if appropriate)
EL	5,327,001	7/1994	Wakai et al.	359	59	4/1993
CV	5,495,353	2/27/96	Yamazaki et al.	359	59	4/1994
CV	5,084,905	1/1992	Susaki et al.	359	59	10/1989
EL	5,055,899	10/1991	Wakai et al.	359	59	4/1990
EL	5,051,570	9/1991	Tsujikawa et al.	359	59	1/1990
GL	4,938,565	7/03/90	Ichikawa	359	59	
EL	5,003,356	3/26/91	Wakai et al.	359	59	
EL	5,012,228	4/30/91	Masuda et al.	350	333	
EL	4,818,077	4/14/89	Ohwada et al.	350	333x	
EL	4,680,580	7/1987	Kawahara	350	784	
EL	4,949,141	8/14/90	Busta	357	23.7	
EL	4,103,297	7/25/78	McGreivy et al.	350	334x	
EL	5,056,895	10/1991	Frederic J. Kahn	359		5/21/90
EL	4,239,346	12/1980	Lloyd	349	113	
EL	5,003,356	3/1991	Wakai et al.	357	4	

FOREIGN PATENT DOCUMENTS

	Document Number	Date	Country	Class	Subclass	Translation	
						Yes	No
EL	1-156725	6/20/89	Japan			Full	
EL	53-144297	12/15/78	Japan	340	784		
EL	0068724	3/1989	Japan	340	784		
EL	0321073	6/1989	EP	340	784		
EL	0051129	2/1990	Japan	340	784		
EL	1130131	5/1989	Japan	340	784		
EL	2-234134	9/1990	Japan	349	138		

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Examiner Initial	Document Number	Date	Name	Class	Subclass	Filing Date (if appropriate)
EL	5,250,931	10/5/93	Misawa et al.			
EL	5,056,895	10/1991	Kahn	349	122	
EL	5,084,905	1/1992	Sasaki et al.	349	138	
EL	5,612,799	3/1997	Yamazaki et al.	349	42	
EL	5,235,195	8/10/93	Tran et al.			

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	Document Number	Date	Country	Class	Subclasses	Translation	
						Yes	N
EL	61-141174	6/28/86	Japan			Full	
EL	55-32026	3/6/80	Japan			Full	
EL	2-234134	9/1990	Japan			Full	
EL	49-77537	7/26/74	Japan				X
EL	62-126677	6/8/87	Japan			Abstract	
EL	63-10777	5/2/88	Japan			Abstract	
EL	64-30272	2/1/89	Japan			Abstract	
EL	2-188723	7/24/90	Japan			Abstract	
EL	2-210330	8/21/90	Japan			Abstract	
EL	61-136263	12/7/84	Japan				
EL	64-68728	3/14/89	Japan				
EL	58-27365	2/18/93	Japan			Full	

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

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Examiner Initial	Patent Number	Issue Date	Patentee	Class	Subclass	Filing Date (if approp.)
EL	4,068,020	01/10/78	Reuschel			
EL	4,068,020	12/21/82	Ishioka et al.			
EL	4,378,417	03/29/83	Maruyama et al.			
EL	4,591,892	05/27/86	Yamazaki			
EL	4,597,160	07/01/86	Ipri			
EL	4,060,020	04/26/88	Nakagiri et al.			
EL	4,860,069	08/22/89	Yamazaki			
EL	4,862,237	08/29/89	Morozumi			
EL	4,888,305	12/19/89	Yamazaki et al.			
EL	4,891,330	01/02/90	Guha et al.			
EL	4,897,360	01/30/90	Guckel et al.			
EL	4,959,700	09/25/90	Yamazaki			
EL	4,969,025	11/06/90	Yamamoto et al.			
EL	4,888,305	11/06/90	Kobayashi et al.			
EL	4,068,020	01/22/91	Yamazaki et al.			
EL	5,077,223	12/31/91	Yamazaki			
EL	5,132,754	07/21/92	Serikawa et al.			
EL	5,132,821	07/21/92	Nicholas			
EL	5,250,818	10/05/93	Saraswat et al.			
EL	5,744,818	04/28/98	Yamazaki et al.			

FOREIGN PATENT DOCUMENTS

Document Number	Date	Country	Class	Subclass	Translation Yes N
EL 0 161 555 A2	11/21/85	European			
EL 2 103925	04/17/90	Japan			Abstract

OTHER DOCUMENTS (Including Auth r, Title, Relevant Pages, Date, Plac of Publicati n)

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